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1 [DIAL: a programming language for data intensive applications](#)
 Michael Hammer, Brian Berkowitz
 May 1980 **SIGMOD '80: Proceedings of the 1980 ACM SIGMOD international conference on Management of data**
Publisher: ACM  [Request Permissions](#)
 Full text available:  [Pdf](#) (1.92 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 12, Downloads (Overall): 16

DIAL is a problem-oriented and high-level programming language oriented towards data intensive applications. It integrates into a unified framework database primitives and computational facilities, so that a programmer will deal with a single ...

2 [Xml schemas in Oracle XML DB](#)
 Ravi Murthy, Sandeepan Banerjee
 September 2003 **VLDB '2003: Proceedings of the 29th international conference on Very large data bases**, Volume 29, Volume 29
Publisher: VLDB Endowment
 Full text available:  [Pdf](#) (156.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)
Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 71, Downloads (Overall): 15

The W3C XML Schema language is becoming increasingly popular for expressing the structure of XML documents. It is a powerful language that incorporates both structural and datatype mechanisms, and provides many benefits to storing XML Schema compliant ...

3 [Deriving relation keys from XML keys](#)
 Qing Wang, Hongwei Wu, Jianchang Xiao, Aoying Zhou, Junmei Zhou
 January 2003 **ADC '03: Proceedings of the 14th Australasian database conference**
Publisher: Australian Computer Society, Inc.
 Full text available:  [Pdf](#) (242.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 14, Downloads (Overall): 10

Much work on XML data was around storage and querying and did not consider constraints on keys. Since constraints have been proposed in many papers for XML, much research is being done. In this paper, we consider ...

Keywords: XML key, relation tree

4 [New approaches to object processing in engineering databases](#)
 Theo Härdler
 September 1986 **ODDS '86: Proceedings on the 1986 international workshop on Object-database systems**
Publisher: IEEE Computer Society Press
 Full text available:  [Pdf](#) (116.56 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#), [index](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 9, Downloads (Overall): 82,

It is widely recognized that conventional database management systems (DBMS) offer unsatisfactory performance for applications of the various engineering disciplines. Many have been identified by an increasing number of ...

5 Automatic creation of interface specifications from ontologies

Iryna Gurevych, Stefan Merten, Robert Porzel

May 2003 **SEALTS '03: Proceedings of the HLT-NAACL 2003 workshop on Software architecture of language technology systems - Volume 8**, Volume 8

Publisher: Association for Computational Linguistics

Full text available:  [Publisher Site](#) ,  [PDF \(110.51 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 17, Downloads (Overall): 18

The paper presents a system architecture for the automatic generation of interface specifications from ontologies. The ensuing interfaces (XML schema definitions) preserve a significant amount of the knowledge encoded in the ontology. The ...

6 TIGUKAT: a uniform behavioral objectbase management system

M. Tamer Özsu, Randal Peters, Duane Szafron, Boman Irani, Anna Lipka, Adriana Muñoz

July 1995 **The VLDB Journal — The International Journal on Very Large Data E**

Publisher: Springer-Verlag New York, Inc.

Full text available:  [PDF \(2.78 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 4, Downloads (Overall): 19

We describe the TIGUKAT objectbase management system, which is under development at the Database Systems Research at the University of Alberta. TIGUKAT has a novel object-oriented approach. Its characteristics include a purely behavioral ...

Keywords: database management, objectbase management, persistent storage systems

7 Towards a semantics for XML markup

 Allen Renear, David Dubin, C. M. Sperberg-McQueen

November 2002 **DocEng '02: Proceedings of the 2002 ACM symposium on Document engineering**

Publisher: ACM 

Full text available:  [PDF \(72.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 86, Downloads (Overall): 90

Although XML Document Type Definitions provide a mechanism for specifying, in machine-readable form, the syntax of an XML markup language, there is no comparable mechanism for specifying the vocabulary. That is, there is no ...

Keywords: SGML, XML, knowledge representation, markup, semantics

8 Developing an XML framework for metadata system

Ruey-Shun Chen, Shien-Chiang Yu

September 2003 **ISICT '03: Proceedings of the 1st international symposium on Information and communication technologies**

Publisher: Trinity College Dublin

Full text available:  [PDF \(383.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 33, Downloads (Overall): 64

Metadata is the media to describe the management and storing of kind of knowledge

Thus, with the compatibility of all various metadata, we can integrate related knowledge management of information ...

Keywords: DTD, XML, metadata, schema, system design

9 Application of XML tools for enterprise-wide RBAC implementation tasks

 **Ramaswamy Chandramouli**

July 2000 **RBAC '00**: Proceedings of the fifth ACM workshop on Role-based access control

Publisher: ACM 

Full text available:  Pdf (66.85 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 30, Downloads (Overall): 60

The use of Extensible Markup Language (XML) and its associated APIs, for information interchange applications is being actively explored by the research community. In this Document Type Definition (DTD) ...

10 A universal client for distributed networked design and computing

 **Franc Brglez, Hernang Lavana**

June 2001 **DAC '01**: Proceedings of the 38th annual Design Automation Conference

Publisher: ACM 

Full text available:  Pdf (205.58 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 6, Downloads (Overall): 102

We introduce a universal client (OmniFlow) whose GUI can be readily configured by the user to support a wide variety of applications, concurrently or sequentially, anywhere on the network. The design and implementation of this client is ...

11 XML schema, tree logic and sheaves automata

Silvano Dal Zilio, Denis Lugiez

June 2003 **RTA'03**: Proceedings of the 14th international conference on Rewriting techniques

Publisher: Springer-Verlag

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): 0

XML documents, and other forms of semi-structured data, may be roughly described as trees. It is therefore natural to use tree automata to reason on them. This idea has already been applied in the context of Document Type Definition ...

12 Knowledge management and XML: derivation of synthetic views over semi-structured data

 **Mario Cannataro, Antonella Guzzo, Andrea Pugliese**

April 2002 **SI GAPP Applied Computing Review**, Volume 10 Issue 1

Publisher: ACM

Full text available:  Pdf (126.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 99, Downloads (Overall): 86

One of the effects of the expansion of the World Wide Web is the production of a huge amount of data, which is often semi-structured and differentiated for type, available to a large number of different users. Furthermore, the use of XML is becoming more and more widespread, due to the evolution of computer hardware technology in the ...

Keywords: XML, data synthesization, lossy compression

13 Conceptual modeling of XML schemas

 **Bernadette Farias Lósio, Ana Carolina Salgado, Luciano do Rêgo Galvão**

November 2003 **WIDM '03**: Proceedings of the 5th ACM international workshop on Web information systems and management

management

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (211.65 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 61, Downloads (Overall): 1

XML has become the standard format for representing structured and semi-structured data. To describe the structure and content of XML data, several XML schema languages have been developed, being very useful for validating XML documents, ...

Keywords: ER model, XML, XML Schema, data integration

14 METU interoperable database system

 A. Dogac, C. Dengi, E. Kilic, G. Ozhan, F. Ozcan, S. Nural, C. Evrendilek, U. Halici, B. Arslan, Mancuhan

September 1995 **SIGMOD Record**, Volume 24 Issue 3

Publisher: ACM

Full text available:  Pdf (145.23 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 12, Downloads (Overall): 1

METU INteroperable Database System (MIND) is a multidatabase system that aims at integrating data from heterogeneous, federated DBMSs. MIND architecture is based on OMG distributed object model. It is implemented on top of a CORBA ...

15 Schema extraction from XML collections

 Boris Chidlovskii

July 2002 **JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (388.66 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 49, Downloads (Overall): 51

XML Schema language has been proposed to replace Document Type Definitions (DTD) for XML data. This language consistently extends grammar-based constructions with constraints and have a higher expressive power ...

Keywords: XML schemas, context-free grammars, schema extraction

16 Chameleon: an extensible and customizable tool for web data translation

Riccardo Torlone, Paolo Atzeni

September 2003 **VLDB '2003: Proceedings of the 29th international conference on Very Large Data Bases**, Volume 29

Publisher: VLDB Endowment

Full text available:  Pdf (779.24 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 8, Downloads (Overall): 22

Chameleon is a tool for the management of Web data according to different formats: it performs automatic transformation of schemas and instances from one model to another. It handles schema languages for XML, and traditional ...

17 A design data manager

 Kari Alho, Hannu Peltonen, Martti Mäntylä, Reijo Sulonen

June 1988 **SIGMOD '88: Proceedings of the 1988 ACM SIGMOD international conference on Management of data**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (113.13 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Downloads (Overall): 127

HutBase is a visual design data manager that can be used to store and manipulate data processed by a variety of design applications. In particular, HutBase allows the user to start applications, ...

Also published in:

June 1988 **SIGMOD Record** Volume 17 Issue 3

18 Automatic generation of MPEG-7 compliant XML document for motion trajectory

 Yi Haoran, Deepu Rajan, Chia Liang-Tien

November 2003 **MMDB '03: Proceedings of the 1st ACM international workshop on Multi**

Publisher: ACM 

Full text available:  Pdf (390.81 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 34, Downloads (Overall): 127

The MPEG-7 standard is a step towards standardizing the description of multimedia content. Efficient identification of relevant content can be facilitated, together with efficient management. The description definition ...

Keywords: Kalman filter, MPEG-7, XML, motion blobs, motion descriptors, motion tra

19 Open Metadata Formats: Efficient XML-Based Communication for High Performance Computing

Patrick Widener, Greg Eisenhauer, Karsten Schwan

August 2001 **HPDC '01: Proceedings of the 10th IEEE International Symposium on High Computing**

Publisher: IEEE Computer Society

Full text available:  Publisher Site

Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall):

Abstract: High-performance computing faces considerable change as the Internet and Applications that once were tightly-coupled and monolithic are now decentralized, with spread across diverse computational elements. ...

20 Behavior3D: an XML-based framework for 3D graphics behavior

 Raimund Dachsel, Enrico Rukzio

March 2003 **Web3D '03: Proceedings of the eighth international conference on 3D Web**

Publisher: ACM 

Full text available:  Pdf (3.45 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 41, Downloads (Overall): 71

Success of 3D applications on the Web inherently depends on object behavior and interaction. Current XML-based formats often fall short in supporting behavior modeling. This paper introduces a flexible framework for modeling 3D object behaviors. ...

Keywords: Contigra, Extensible 3D (X3D), SMIL, XML-Schema, animation, behavior, object behaviors

Re

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